# Toshiba mini NB505 Detailed Product Specification[1]

| Model Name: NB505-N508OR | Part Number: PLL50U-01700C | UPC: 883974682942 |
|---|---|---|

## Operating System[C1] [2]
- Genuine Windows® 7 Starter 32-bit

## Processor[3] and Graphics[4]
- Intel® Atom™ processor N455
  - 1.66 GHz, 512KB L2 Cache
- Intel® NM10 Express Chipset
- Intel® Graphics Media Accelerator 3150 with 0MB-250MB dynamically allocated shared graphics memory

## Memory[5]
- Configured with 1GB DDR2 (works at 667MHz, max 2GB)
- 1 main memory slot. Slot is occupied.

## Storage Drive[6]
- 250GB (5400 RPM) Serial ATA hard disk drive

## Display[7]
- 10.1" diagonal widescreen TruBrite® display at 1024 x 600 native resolution (WSVGA)
  - 16:9 aspect ratio
  - LED backlit

## Sound
- Built-in speaker (mono)

## Input Devices
- Full-size keyboard (black)
- Touch pad pointing device with multi-touch control

## Communications
- Webcam and microphone
- 10/100 Ethernet
- Wi-Fi® Wireless networking (802.11b/g/n)[8]

## Expandability
- Memory Card Reader
  - Secure Digital (SD), Secure Digital High Capacity (SDHC), SDXC, Multi Media Card [shared slot]

## Ports
- Video
  - RGB (monitor) output port
- Audio
  - Microphone input port
  - Headphone output port
- Data
  - 3 USB v2.0 ports
  - RJ-45 LAN port
- Security
  - Slot for Security Lock

## Physical Description
- EasyGrip Finish in Orange
- Dimensions (W x D x H Front/H Rear): 10.3" x 7.48" x 0.65"/1.4" without feet
- Weight: Starting at 2.9 lbs., depending upon configuration[9]

## Battery[10]
- 6 cell (48Wh) Lithium Ion battery pack
- Battery Life Rating (measured by MobileMark™ Productivity 2007)
  - Included 6-cell battery: 8 hours, 21 minutes

## Power
- 30W (19V x 1.58A) Auto sensing ,100-240V/50-60Hz AC Adapter
- Dimensions (W x D x H): 3.66" x 1.57" x 1.1"
- Weight: starting at .44 lbs.

## Software [C1] [11]
- Toshiba Software and Utilities
  - TOSHIBA App Place℠
  - TOSHIBA Assist
  - TOSHIBA BookPlace™
  - TOSHIBA Bulletin Board
  - TOSHIBA Disc Creator
  - TOSHIBA eco Utility™
  - TOSHIBA HDD/SSD Alert
  - TOSHIBA HW Setup Utility
  - TOSHIBA Media Controller[12]
  - TOSHIBA Recovery Disc Creator
  - TOSHIBA ReelTime
  - TOSHIBA Service Station
  - TOSHIBA Supervisor Password Utility
  - TOSHIBA Value Added Package
  - TOSHIBA Web Camera Application
- Third-party Software
  - Adobe® Acrobat® Reader
  - Google® Toolbar
  - Google® Chrome
  - Internet Explorer 8
  - Microsoft® Office Starter 2010[13]
  - Microsoft® Windows Media Player 12
  - Microsoft® Silverlight™
  - Microsoft® Live Essentials
    - Photo Gallery
    - Messenger
    - Mail
    - Writer
    - Movie Maker
  - WildTangent® Games Console
- Special Offers and Trial Software
  - Norton Internet Security™ 2011 (30-day trial subscription)
  - Skype®
  - Toshiba Online Backup (30-day trial subscription)

## Environmental Specifications
- This product is RoHS[14] compatible
- Energy Star Qualified
- EPEAT™ Gold Compliant

| | Operating | Non-operating |
|---|---|---|
| Temperature[15] | 5° to 35° C | -20° to 60° C |
| Relative Humidity (non-condensing) | 20% to 80% | 10% to 90% |
| Thermal Gradient | 15° C per hour (max) | 20° C per hour (max) |
| Altitude (relative to sea level) | 0 to 3,000 meters | 0 to 10,000 meters |
| Shock | 10G | 60G |
| Vibration | 0.5G | 1.0G |

## 1 YEAR STANDARD LIMITED WARRANTY for Mini Notebook Computers[16]
- Includes International Limited Warranty for obtaining service when traveling outside the United States.

**Service Upgrades and Extensions**

Toshiba offers many different enhanced services such as SystemGuard®, On-Site Repair, and ServiceExpress to provide additional support to your notebook PC. For a full description and complete list of programs and program terms and conditions, please visit www.pcsupport.toshiba.com.

## Accessories

For additional and most updated accessories, please visit www.accessories.toshiba.com

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## Memory Upgrade

| Part Number | Description |
|---|---|
| PA3669U-1M2G | Toshiba DDR2-800MHz 2GB Memory Module |

## Power

| Part Number | Description |
|---|---|
| PA3743U-1ACA | Toshiba 30W Global AC Adapter |
| PA3821U-1BRS | Toshiba Primary Li Ion Battery Pack (6 cell) |

## Expansion

| Part Number | Description |
|---|---|
| PA3834U-1DV2 | Toshiba USB Portable DVD SuperMulti Drive (Tray Load) |
| PA3845U-1DV2 | Toshiba USB Portable DVD SuperMulti Drive (Slot Load) |
| PA3627U-1ETC | Toshiba USB 2.0 4-Port Hub |

## Storage

| Part Number | Description |
|---|---|
| PA3877U-1M8B | Toshiba 8GB Hi-Speed USB 2.0 Swivel-Retractable Flash Drive |
| PA3877U-1MAB | Toshiba 16GB Hi-Speed USB 2.0 Swivel-Retractable Flash Drive |
| PA3877U-1MBB | Toshiba 32GB Hi-Speed USB 2.0 Swivel-Retractable Flash Drive |
| E05A050CAU2XK | Toshiba Canvio USB 2.0 External Hard Drive, 500GB (Raven Black) |
| E05A075PBU2XK | Toshiba Canvio Plus USB 2.0 External Hard Drive, 750GB (Raven Black) |
| E05A100PBU3XW | Toshiba Canvio 3.0 Plus USB 3.0 External Hard Drive, 1TB (Black w/White accents |

## Security & Protection

| Part Number | Description |
|---|---|
| PA1469U-1CMN | Toshiba LapDesk Dual Function Hardshell Case |
| PA1489U-1NB | Toshiba Neoprene Sleeve for Mini Notebook (Black) |
| PA1444U-1CS2 | Toshiba 12" Envoy Ballistic Polyester Carrying Case |

## Bluetooth

| Part Number | Description |
|---|---|
| PA3710U-1BTM | Toshiba Bluetooth V 2.1+EDR USB Nano Adapter |
| PA3847U-1ETB | Toshiba Bluetooth Laser Mouse (Black) |

## Subject to Change

While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at http://www.pcsupport.toshiba.com

## Return Policy

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[C1] ***64-bit computing:***

64-bit computing requires that the following hardware and software requirements are met:

- 64-bit Operating System
- 64-bit CPU, Chipset and BIOS (Basic Input/Output System)
- 64-bit Device drivers
- 64-bit applications

Certain device drivers and/or applications may not be compatible with a 64-bit CPU and therefore may not function properly. See "Detailed Specs" for more information.

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[1] **Product Series Legal Footnote**. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

**Product Offering Legal Footnote**. Toshiba America Information Systems, Inc. reserves the right to modify or withdraw this offer at anytime without notice

[2] **Operating System**. Also see ***64-Bit Computing*** Legal Footnote, if applicable.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

***Offers.*** Offer terms, duration and product availability all subject to change without notice

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[3] **Processor (Central Processing Unit)**. Also see ***64-Bit Computing*** Legal Footnote, if applicable.

CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product "Detailed Specs." Contact Toshiba Technical Service and Support for more information.

[4] **Graphics (Graphics Processing Unit)**.
GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

***Total Available Graphics Memory*** is the total of, as applicable, Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory will vary depending on system memory size and other factors.

[5] **Memory (Main System)**. Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. Computers configured with a 32-bit operating system can address up to 3GB of system memory. Only computers configured with a 64-bit operating system can address 4 GB or more of system memory.

[6] **Storage Drive Capacity**. Computer (Internal) HDD Capacity. One Gigabyte (GB) means 109 = 1,000,000,000 bytes and One Terabyte (TB) means 1012 = 1,000,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 230 = 1,073,741,824 bytes and 1TB = 240 = 1,099,511,627,776 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[7] **Display**. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology. When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

[8] **Wireless**. Wireless connectivity and some features may require you to purchase additional software, external hardware or services. Availability of public wireless LAN access points may be limited. The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed. To use the Atheros SuperAG™ or SuperG™ wireless function, if available, your client and access point must support the corresponding feature. Performance of these functions may vary depending on the format of data transmitted.

[9] **Weight**. Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

[10] **Battery Life Rating**. Measured by MobileMark® 2007. MobileMark is a trademark of the Business Applications Performance Corporation. Rating based on either MobileMark Productivity 2007 modeling a user performing common mobile office activities or Reader 2007 modeling a user reading documents. See "Detailed Specifications" for test used. Details of MobileMark 2007 testing are available at www.bapco.com.Rating is for comparison purposes only, and does not indicate the battery life that will be obtained by any individual user. Actual battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. The battery life rating is only achieved on the select models and configurations tested by Toshiba under the specific test settings at the time of publication and is not an estimate of a system's battery life under any conditions other than the specific test settings. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries.

[11] **Software**. Also see 64-Bit Computing Legal Footnote, if applicable.

Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Includes Microsoft® Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.

[12] **Toshiba Media Controller.** Copy protection technology, if any, associated with the content may prevent or limit sharing of content.

[13] **Microsoft Office Starter 2010.** Office Starter consists of reduced-functionality versions of Word and Excel with advertising. PowerPoint, Outlook, OneNote, Access and Publisher are not included.

[14] **RoHS.** This notebook is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its notebook component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

[15] **Temperature (Environmental) Conditions**. All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

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